REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\mpepitone\My
Documents\ChemDraw\10534338\clm1c.str

chain nodes :
10
ring nodes :
1   2   3   4   5   6   9   11   12   13
ring/chain nodes :
7   8
chain bonds :
7-10
ring/chain bonds :
1-7   4-8   8-9
ring bonds :
1-2   1-6   2-3   3-4   4-5   5-6   9-11   9-12   11-13   12-13
exact/norm bonds :
4-8   7-10   8-9   9-11   9-12   11-13   12-13
exact bonds :
1-7
normalized bonds :
1-2   1-6   2-3   3-4   4-5   5-6

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:CLASS
11:CLASS 12:Atom 13:Atom

```
L19     STRUCTURE UPLOADED

=> s l19 fam full
FULL SEARCH INITIATED 17:46:55 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      45 TO ITERATE

100.0% PROCESSED      45 ITERATIONS                           1 ANSWERS
SEARCH TIME: 00.00.01

L20         1 SEA FAM FUL L19

=> fiel caplus
FIEL IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> file caplus
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                     ENTRY      SESSION
FULL ESTIMATED COST                                  70.11      1170.14

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                     ENTRY      SESSION
CA SUBSCRIBER PRICE                                   0.00       -15.20

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FILE COVERS 1907 - 10 Jul 2008  VOL 149 ISS 2
FILE LAST UPDATED: 9 Jul 2008  (20080709/ED)

Caplus now includes complete International Patent Classification (IPC)
reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/legal/infopolicy.html

=> s l20
L21         1 L20

=> d ibib abs hitstr 1-
YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y

L21  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:       2004:550934  CAPLUS
DOCUMENT NUMBER:        141:94041
```

```
L28  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2008 ACS on STN
RE
(1) Buu-Hoi; J ORG CHEM 1952, V17, P350 CAPLUS
(2) Givaudan Sa; EP 1264547 A 2002 CAPLUS
(3) Hughes, T; J PROC R SOC N S W 1948, V82, P262
(4) Ogawa, H; JP 01161092 A 1989 CAPLUS
(5) Stoll, M; US 4200660 A 1980 CAPLUS


=> fiel reg
FIEL IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> file reg
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    12.85    1451.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -0.80     -16.80

FILE 'REGISTRY' ENTERED AT 18:12:17 ON 10 JUL 2008
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STRUCTURE FILE UPDATES:    9 JUL 2008  HIGHEST RN 1033322-45-0
DICTIONARY FILE UPDATES:   9 JUL 2008  HIGHEST RN 1033322-45-0

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

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predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\mpepitone\My
Documents\ChemDraw\10534338\cycolprop.str
```
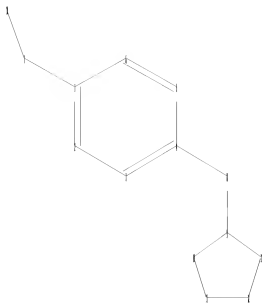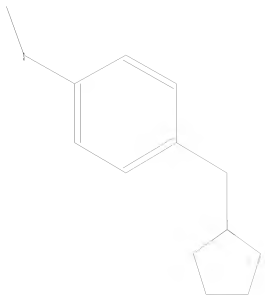
```
chain nodes :
10
ring nodes :
1  2  3  4  5  6  9  11  12  13  14
ring/chain nodes :
7  8
chain bonds :
7-10
ring/chain bonds :
1-7  4-8  8-9
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  9-11  9-14  11-12  12-13  13-14
exact/norm bonds :
4-8  7-10  8-9  9-11  9-14  11-12  12-13  13-14
exact bonds :
1-7
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:CLASS  8:Atom  9:Atom  10:CLASS
11:Atom  12:Atom  13:Atom  14:Atom




L29      STRUCTURE UPLOADED

=> s l29 fam full
FULL SEARCH INITIATED 18:12:33 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     2033 TO ITERATE

100.0% PROCESSED     2033 ITERATIONS                          1 ANSWERS
SEARCH TIME: 00.00.01

L30          1 SEA FAM FUL L29
```
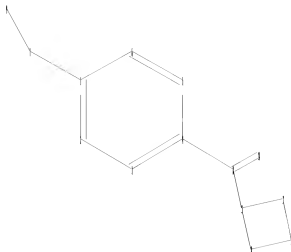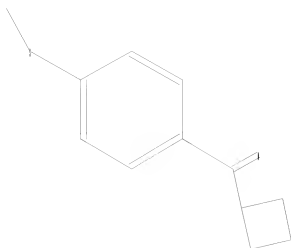
```
chain nodes :
9   10
ring nodes :
1   2   3   4   5   6   11   12   13   14
ring/chain nodes :
7   8
chain bonds :
7-9   8-10   8-11
ring/chain bonds :
1-7   4-8
ring bonds :
1-2   1-6   2-3   3-4   4-5   5-6   11-12   11-14   12-13   13-14
exact/norm bonds :
4-8   7-9   8-10   11-12   11-14   12-13   13-14
exact bonds :
1-7   8-11
normalized bonds :
1-2   1-6   2-3   3-4   4-5   5-6
```

```
Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:CLASS   8:CLASS   9:CLASS   10:CLASS
 11:Atom   12:Atom   13:Atom   14:Atom
```

```
L8        STRUCTURE UPLOADED

=> s l8 exa full
FULL SEARCH INITIATED 10:52:41 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -       2 TO ITERATE

100.0% PROCESSED          2 ITERATIONS                        1 ANSWERS
SEARCH TIME: 00.00.01

L9            1 SEA EXA FUL L8

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY      SESSION
FULL ESTIMATED COST                              60.77       530.65
```
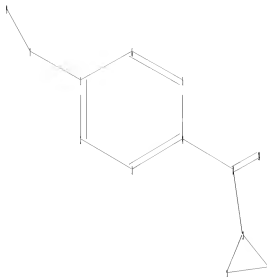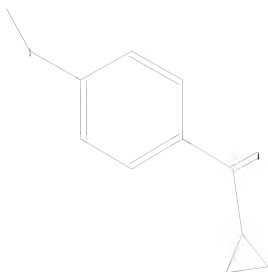
```
ring nodes :
1  2  3  4  5  6  11  12  13
ring/chain nodes :
7  8  9  10
chain bonds :
7-9  8-10  8-11
ring/chain bonds :
1-7  4-8
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  11-12  11-13  12-13
exact/norm bonds :
4-8  7-9  8-10  11-12  11-13  12-13
exact bonds :
1-7  8-11
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:CLASS  8:CLASS  9:CLASS  10:CLASS
 11:Atom  12:Atom  13:Atom




L4      STRUCTURE UPLOADED

=> s l4 exa full
FULL SEARCH INITIATED 11:31:57 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      3 TO ITERATE

100.0% PROCESSED       3 ITERATIONS                      1 ANSWERS
SEARCH TIME: 00.00.01

L5          1 SEA EXA FUL L4

=> file caplus
COST IN U.S. DOLLARS                      SINCE FILE      TOTAL
                                            ENTRY       SESSION
FULL ESTIMATED COST                         60.31       380.34
```

FILE 'REGISTRY' ENTERED AT 11:37:25 ON 14 JUL 2008
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STRUCTURE FILE UPDATES: 13 JUL 2008 HIGHEST RN 1033821-28-1
DICTIONARY FILE UPDATES: 13 JUL 2008 HIGHEST RN 1033821-28-1

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predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\mpepitone\My
Documents\ChemDraw\10534338\methketocycpent.str
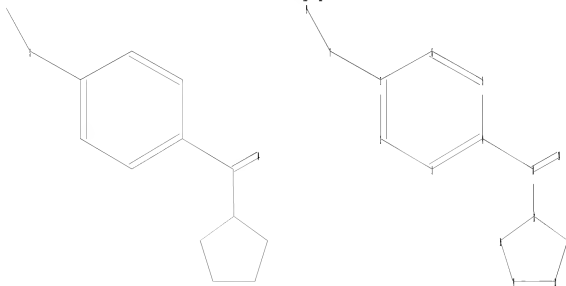
ring nodes :
1   2   3   4   5   6   11   12   13   14   15
ring/chain nodes :
7   8   9   10
chain bonds :
7-9   8-10   8-11
ring/chain bonds :
1-7   4-8

```
chain nodes :
7  8  9  12  20
ring nodes :
1  2  3  4  5  6  13  14  15
chain bonds :
5-12  7-8  8-9  12-13
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  13-14  13-15  14-15
exact/norm bonds :
7-8  13-14  13-15  14-15
exact bonds :
5-12  8-9  12-13
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6


G1:[*1]

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:CLASS  8:CLASS  9:CLASS  12:CLASS
 13:Atom  14:Atom  15:Atom  20:CLASS  21:Atom




L12     STRUCTURE UPLOADED

=> s 112 sss full
FULL SEARCH INITIATED 14:12:47 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   645036 TO ITERATE

100.0% PROCESSED   645036 ITERATIONS  (      2 INCOMPLETE)     1085 ANSWERS
SEARCH TIME: 00.00.07
```

=>
Uploading C:\Documents and Settings\mpepitone\My
Documents\ChemDraw\10534338\reafreg.str
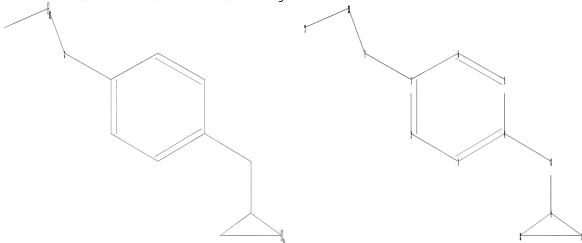
chain nodes :
10   13
ring nodes :
1   2   3   4   5   6   9   11   12
ring/chain nodes :
7   8
chain bonds :
7-10   10-13
ring/chain bonds :
1-7   4-8   8-9
ring bonds :
1-2   1-6   2-3   3-4   4-5   5-6   9-11   9-12   11-12
exact/norm bonds :
4-8   7-10   8-9   9-11   9-12   11-12

```
exact bonds :
1-7  10-13
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:CLASS  8:Atom  9:Atom  10:CLASS
11:Atom  12:Atom  13:CLASS




L17     STRUCTURE UPLOADED

=> s l17 fam full
STRUCTURES CONTAINING VARIABLE NODES NOT VALID IN EXACT OR FAMILY SEARCH
You have requested a full structure (EXA or FAM) search on a
structure containing one of the special variable-atom symbols
A, M, Q, or X, or a variable group G.  Only bond variability
is allowed in structures for EXA or FAM searches.  Variable
nodes are never permitted.

=> s l13 sss sam
SAMPLE SEARCH INITIATED 14:17:05 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    32057 TO ITERATE

  6.2% PROCESSED    2000 ITERATIONS                        5 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        630433 TO   651847
PROJECTED ANSWERS:             1065 TO     2139

L18         5 SEA SSS SAM L12

=> s l18 sss full
FULL SEARCH INITIATED 14:17:14 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -  645036 TO ITERATE

100.0% PROCESSED   645036 ITERATIONS  (     2 INCOMPLETE)     1085 ANSWERS
SEARCH TIME: 00.00.07

L19      1085 SEA SSS FUL L12

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE     TOTAL
                                                 ENTRY      SESSION
FULL ESTIMATED COST                             178.82      809.70

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE     TOTAL
                                                 ENTRY      SESSION
CA SUBSCRIBER PRICE                               0.00       -0.80

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